

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/590,530
Source: IFWP
Date Processed by STIC: 9/8/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/590,530

CRF Edit Date: 9/8/06
Edited by: DA

___ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

___ **Corrected the SEQ ID NO. Sequence numbers edited were:**

___ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ **Inserted mandatory headings/numeric identifiers, specifically:**

___ **Moved responses to same line as heading/numeric identifier, specifically:**

___ **Other:**



IFWP

RAW SEQUENCE LISTING

DATE: 09/08/2006

PATENT APPLICATION: US/10/590,530

TIME: 09:19:57

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09082006\J590530.raw

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3 <110> APPLICANT: Natbio Pty Ltd
4   Hawkins, Clifford J (US Only)
6 <120> TITLE OF INVENTION: A plant extract
8 <130> FILE REFERENCE: 12572860/EJH
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/590,530
C--> 10 <141> CURRENT FILING DATE: 2006-08-24
10 <150> PRIOR APPLICATION NUMBER: AU2004900929
11 <151> PRIOR FILING DATE: 2004-02-24
13 <150> PRIOR APPLICATION NUMBER: AU2004901086
14 <151> PRIOR FILING DATE: 2004-03-02
16 <160> NUMBER OF SEQ ID NOS: 5
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 221
22 <212> TYPE: PRT
23 <213> ORGANISM: Zingiber officinale
25 <400> SEQUENCE: 1
27 Asp Asp Leu Pro Asp Ser Ile Asp Trp Arg Glu Asn Gly Ala Val Val
28 1      5      10      15
31 Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Ser Thr
32      20      25      30
35 Val Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile
36      35      40      45
39 Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Thr Thr Ala Asn His Gly
40      50      55      60
43 Cys Arg Gly Gly Trp Met Asn Pro Ala Phe Gln Phe Ile Val Asn Asn
44 65      70      75      80
47 Gly Gly Ile Asn Ser Glu Glu Thr Tyr Pro Tyr Arg Gly Gln Asp Gly
48      85      90      95
51 Ile Cys Asn Ser Thr Val Asn Ala Pro Val Val Ser Ile Asp Ser Tyr
52      100     105     110
55 Glu Asn Val Pro Ser His Asn Glu Gln Ser Leu Gln Lys Ala Val Ala
56      115     120     125
59 Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln
60      130     135     140
63 Leu Tyr Arg Ser Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn
64 145     150     155     160
67 His Ala Leu Thr Val Val Gly Tyr Gly Thr Glu Asn Asp Lys Asp Phe
68      165     170     175
71 Trp Ile Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr
72      180     185     190
75 Ile Arg Ala Glu Arg Asn Ile Glu Asn Pro Asp Gly Lys Cys Gly Ile
76      195     200     205

```

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```

79 Thr Arg Phe Ala Ser Tyr Pro Val Lys Lys Gly Thr Asn
80      210                      215                      220
83 <210> SEQ ID NO: 2
84 <211> LENGTH: 221
85 <212> TYPE: PRT
86 <213> ORGANISM: Zingiber officinale
88 <220> FEATURE:
89 <221> NAME/KEY: MISC_FEATURE
90 <222> LOCATION: (219)..(219)
91 <223> OTHER INFORMATION: N = any amino acid
94 <220> FEATURE:
95 <221> NAME/KEY: MISC_FEATURE
96 <222> LOCATION: (220)..(220)
97 <223> OTHER INFORMATION: N = any amino acid
100 <220> FEATURE:
101 <221> NAME/KEY: MISC_FEATURE
102 <222> LOCATION: (221)..(221)
103 <223> OTHER INFORMATION: N = any amino acid
106 <400> SEQUENCE: 2
108 Asp Val Leu Pro Asp Ser Ile Asp Trp Arg Glu Lys Gly Ala Val Val
109 1      5      10      15
112 Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Asp Ala
113      20      25      30
116 Ile Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile
117      35      40      45
120 Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Ser Thr Arg Asn His Gly
121      50      55      60
124 Cys Glu Gly Gly Trp Pro Tyr Arg Ala Phe Gln Tyr Ile Ile Asn Asn
125 65      70      75      80
128 Gly Gly Ile Asn Ser Glu Glu His Tyr Pro Tyr Thr Gly Thr Asn Gly
129      85      90      95
132 Thr Cys Asp Thr Lys Glu Asn Ala His Val Val Ser Ile Asp Ser Tyr
133      100     105     110
136 Arg Asn Val Pro Ser Asn Asp Glu Lys Ser Leu Gln Lys Ala Val Ala
137      115     120     125
140 Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln
141      130     135     140
144 Leu Tyr Arg Asn Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn
145 145     150     155     160
148 His Tyr Arg Thr Val Gly Gly Arg Glu Thr Glu Asn Asp Lys Asp Tyr
149      165     170     175
152 Trp Thr Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr
153      180     185     190
156 Ile Arg Val Glu Arg Asn Ile Ala Glu Ser Ser Gly Lys Cys Gly Ile
157      195     200     205
W--> 160 Ala Ile Ser Pro Ser Tyr Pro Ile Lys Glu Xaa Xaa Xaa
161      210     215     220
164 <210> SEQ ID NO: 3
165 <211> LENGTH: 264

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RAW SEQUENCE LISTING

DATE: 09/08/2006

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TIME: 09:19:57

Input Set : A:\pto.da.txt

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```

166 <212> TYPE: PRT
167 <213> ORGANISM: bovine
169 <400> SEQUENCE: 3
171 Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala
172 1 5 10 15
175 Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly Gly
176 20 25 30
179 Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly
180 35 40 45
183 Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Gly Trp Gly Gln Pro His
184 50 55 60
187 Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His
188 65 70 75 80
191 Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His
192 85 90 95
195 Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys
196 100 105 110
199 Pro Ser Lys Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala Ala
200 115 120 125
203 Ala Gly Ala Val Val Gly Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala
204 130 135 140
207 Met Ser Arg Pro Leu Ile His Phe Gly Ser Asp Tyr Glu Asp Arg Tyr
208 145 150 155 160
211 Tyr Arg Glu Asn Met His Arg Tyr Pro Asn Gln Val Tyr Tyr Arg Pro
212 165 170 175
215 Val Asp Gln Tyr Ser Asn Gln Asn Asn Phe Val His Asp Cys Val Asn
216 180 185 190
219 Ile Thr Val Lys Glu His Thr Val Thr Thr Thr Thr Lys Gly Glu Asn
220 195 200 205
223 Phe Thr Glu Thr Asp Ile Lys Met Met Glu Arg Val Val Glu Gln Met
224 210 215 220
227 Cys Ile Thr Gln Tyr Gln Arg Glu Ser Gln Ala Tyr Tyr Gln Arg Gly
228 225 230 235 240
231 Ala Ser Val Ile Leu Phe Ser Ser Pro Pro Val Ile Leu Leu Ile Ser
232 245 250 255
235 Phe Leu Ile Phe Leu Ile Val Gly
236 260
239 <210> SEQ ID NO: 4
240 <211> LENGTH: 6
241 <212> TYPE: PRT
242 <213> ORGANISM: chicken
244 <400> SEQUENCE: 4
246 Pro His Asn Pro Gly Tyr
247 1 5
250 <210> SEQ ID NO: 5
251 <211> LENGTH: 8
252 <212> TYPE: PRT
253 <213> ORGANISM: bovine
255 <400> SEQUENCE: 5

```

RAW SEQUENCE LISTING

DATE: 09/08/2006

PATENT APPLICATION: US/10/590,530

TIME: 09:19:57

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09082006\J590530.raw

257 Trp Gly Gln Pro His Gly Gly Gly

258 1

5

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 09/08/2006

PATENT APPLICATION: US/10/590,530

TIME: 09:19:58

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09082006\J590530.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 219,220,221

VERIFICATION SUMMARY

DATE: 09/08/2006

PATENT APPLICATION: US/10/590,530

TIME: 09:19:58

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09082006\J590530.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:208

**Raw Sequence Listing before editing,
for reference only**



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/590,530

DATE: 09/01/2006

TIME: 11:46:34

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09012006\J590530.raw

3 <110> APPLICANT: Natbio Pty Ltd
4 Hawkins, Clifford J (US Only)
6 <120> TITLE OF INVENTION: A plant extract
8 <130> FILE REFERENCE: 12572860/EJH
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/590,530
C--> 10 <141> CURRENT FILING DATE: 2006-08-24
10 <150> PRIOR APPLICATION NUMBER: AU2004900929
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13 <150> PRIOR APPLICATION NUMBER: AU2004901086
14 <151> PRIOR FILING DATE: 2004-03-02
16 <160> NUMBER OF SEQ ID NOS: 5
18 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed
(pg-1)

ERRORED SEQUENCES

250 <210> SEQ ID NO: 5
251 <211> LENGTH: 8
252 <212> TYPE: PRT
253 <213> ORGANISM: bovine
255 <400> SEQUENCE: 5
257 Trp Gly Gln Pro His Gly Gly Gly
258 5
E--> 266 1

deleted

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/590,530

DATE: 09/01/2006

TIME: 11:46:35

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09012006\J590530.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:208

L:266 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5